

**TED<sup>x</sup>** Goodenough College  
x = independently organized TED event



[R]evolution

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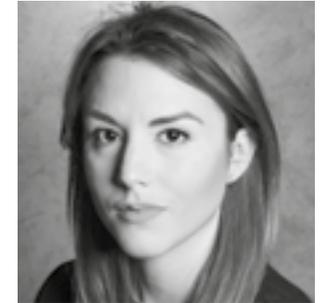
20 May 2017

Goodenough College  
Mecklenburgh Square  
WC1N 2AB  
London

[ WELCOME ]

Marilina

Curator



Good evening,

It gives me great pleasure to welcome so many distinguished guests and participants to the 7th annual TEDxGoodenoughCollege this evening. We are delighted to host each and every one of you at Goodenough College's magnificent Great Hall.

This year's event is focused on the theme of [R]evolution. We will explore how and why the world and its inhabitants are constantly changing and where this change may lead us. Tonight's journey will examine *reflections of revolution*, investigate instances of *revolutions in the making*, and explore the *revolution within*. Our inspiring speakers come from diverse backgrounds and fields, from linguistics, to machine learning, to the performance arts, to genetics and will highlight a number of both measured evolutions and rapid revolutions taking place in the world around us.

TEDxGoodenoughCollege is generously supported by Goodenough College, and would not be possible without the contribution of its members and staff. I would like to take this opportunity to express my sincere thanks to all who have assisted with making tonight happen. I would especially like to thank the organizing team, all of whom have been working hard for the past five months in order to create an extraordinary event. I truly appreciate their dedication. Finally, I would like to thank all our speakers and demonstrators for taking time to be here with us and to share their groundbreaking ideas.

Once again, welcome and thank you for joining us. I hope that tonight is a memorable evening which inspires many revolutionary ideas.

Marilina Toli  
Curator of TEDxGoodenoughCollege 2017



**Andrew Ritchie**

**Director**

Dear Guest,

I am delighted to welcome you to this TEDx event at Goodenough College. Now in its seventh consecutive year TEDxGoodenough has become a highlight of the College programme and is eagerly anticipated by all our members.

Goodenough is singularly well placed to host an annual TEDx Conference. Our 700 international students are studying the widest range of academic disciplines at Masters, PhD and post-doctoral level at all of London's universities. Collectively they represent a remarkable talent pool and constantly exchange ideas with each other in an atmosphere which encourages mutual respect and common understanding. Through the medium of talks, seminars and conferences they constantly explore key global issues through an inter-disciplinary prism. Our TEDx event may be a highpoint of the academic year but it fits perfectly with the wider programme of cross-cultural intellectual discourse at the College.

I congratulate Marilina Toli and her dedicated team for their immense hard work and commitment in organising this event. They have put together an exciting group of speakers and I hope you are inspired by their ideas and share their ambitions. Enjoy the evening and please join us again for next year's TEDxGoodenough.

Andrew Ritchie  
Director  
Goodenough College

## Programme

16:00 – 17:00 | **Registration with piano pre-performance**

17:00 – 17:10 | **Welcome note**

17:10 – 18:00 | **Reflections of revolution**

**Saying 'revolution'** | Valeria Valotto

**Why we should defend history** | Maria Chen

🎥 **The mathematics of history** | Jean-Baptiste Michel

**Confessions of an economist**

**who wants to build a carbon free world** | Dimitri Zenghelis

18:00 - 18:30 | **Drinks with GoodVibes**

18:30 - 19:40 | **Revolution in the making**

**Using artificial intelligence to make everyday products better** | Rob McInerney

**How will virtual reality impact health & wellbeing** | Isabel Van De Keere

🎥 **An engineer's vision for tiny forests, everywhere** | Shubhendu Sharma

**Editing Our Evolution: CRISPR/Cas** | Helen O'Neill

**Connecting a billion minds** | Shafi Ahmed

19:40 - 20:40 | **Dinner with Jazz and the String Quartet**

20:40 - 21:45 | **The revolution within**

**Dance duet** | Marquez&Zangs

**Me, my body and everyone else: the changing body from within and without** | Jorge Balça & Anjali Bhat

**Developing the nerve to possess yourself** | Katlego K Kolanyane-Kesupile

**Creating aspiring women:**

**the role of fathers in fighting patriarchy** | Ayesha Siddique Khan

**The robot revolution – a survival guide for kids** | Sophie Deen



Aymie Lenders

Master of Ceremonies

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Our host this year, Aymie Lenders, is an enthusiastic and vibrant character on and off stage. Her background in acting and modeling makes her a charismatic personality with a great sense of humor (for a former accountant!) she believes that this year's theme will offer up new perspectives for us to be curious, rebellious, and even audacious about the world and people around us. As a native of The Hague, the hometown of The International Court of Justice, she is a strong advocate of peace dialogues and the judiciary process. She is currently doing a Master of Arts in Screen Acting at the Royal Central School of Speech and Drama.

Expect an exciting event ahead while you sit back and immerse yourself with the excellent talks and performances that we have prepared for you.

[ SPEAKERS ]



Valeria Valotto

Maria Chen



## Saying 'revolution'

/ˌrevəˈluːʃn/

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Born and raised in Italy, Valeria Valotto was lucky enough to turn one her lifelong passions, chatting, into an academic interest, languages. Her indiscriminating love for words took her to pursue living and dead languages, to eventually focus on the Latin word *res publica* for her PhD at King's College.

Valeria is an advocate for the revolutionary power of the humanities and believes that understanding words can help us understand, and eventually change, the world. Her mission is to showcase linguistics in unusual settings, experimenting with arts installations and talks for a broader public.

Besides loving words and their history, Valeria is passionate about people and their stories, which is why she works for a community charity south of the Thames, and spends her free time immersing herself in the local history of the East End, where she currently lives.

## Why we should defend history

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Maria Chen is a university fellow at the London School of Economics (LSE). She is a historian of European policy and culture with a research background in European Union (EU) institutions, intellectual property, and agriculture. Maria is fascinated by identity. At the forefront of her mind are questions of how food and drink culture, music, ownership of ideas, and historical memory affect who we are and how we present ourselves.

Maria has taught university courses on 20th century Western European history, the social construction of markets, climate change governance, and global poverty and inequality. She serves on LSE's Ethics Policy Committee, where she advises on ethical decision-making. Maria is also a contributing expert analyst on Brexit and EU policy to Oxford Analytica. In 2017, she was one of 24 experts chosen from across the country for BBC Academy's 'BBC Expert Women'.

Maria lives her academic loves. She is a singer who specialises in 1920s-1950s jazz and has performed with a small London-based ensemble since 2011. She has travelled extensively across Europe to understand the origins of European wine policies. As a devoted foodie, Maria often follows her stomach on trips.



Dimitri Zenghelis

Rob McInerney



## Confessions of an economist who wants to build a carbon free world

## Using artificial intelligence to make everyday products better

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Dimitri Zenghelis is joint-head of climate policy at the Grantham Research Institute on Climate Change and the Environment, London School of Economics (LSE). In 2014, he was the acting chief economist for the Global Commission on the Economy and Climate. He was recently senior economic advisor to Cisco's long term innovation group and an associate fellow at the Royal Institute of International Affairs, Chatham House. Previously, he headed the Stern Review team at the Office of Climate Change, London, and was a senior economist working with Lord Stern on the Stern Review on the Economics of Climate Change, commissioned by then-Chancellor Gordon Brown. Before working on climate change, Dimitri was head of economic forecasting at HM Treasury, where he provided regular briefings to Chancellor Brown and Prime Minister Tony Blair. He was also head of the analysis branch of the European Union's Economic and Monetary Unit (EMU), which informed and administered any future assessment of the five economic tests reviewing progress of the single currency in the Euro area. He has also worked at Oxford Economics, the Institute of International Finance in Washington DC, and Tokai Bank Europe, London.

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Dr Rob McInerney is the founder & CEO of Intelligent Layer and co-founder of IntelligentX Brewing Company. He completed his PhD in Machine Learning at the University of Oxford, where his research focused on how intelligent machines should learn from experience through a process of reinforcement learning.

In 2015, Rob founded Intelligent Layer to re-envisage the relationship between human beings and intelligent technology, underpinned by his belief that AI can help us navigate a world that is changing faster. Last year, he created IntelligentX Brewing Company, a self-evolving beer brand that uses AI to optimise beer recipes using customer feedback, which Popular Science voted "the third greatest software innovation of 2016". Intelligent Layer recently graduated from Techstars in New York City, one of the world's top accelerator programmes.

Rob regularly contributes to topics around AI and machine learning and has been featured in major publications including *Time*, *Wired*, *Forbes*, *The Guardian*, and *The Huffington Post*.



Isabel Van De Keere

Helen O'Neill



## How will virtual reality impact health & wellbeing

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Dr Isabel Van De Keere is an innovator, strategist, and problem-solver. She loves building products that make an impact on people's daily lives. Reading up on social innovation, healthcare technologies, and innovative product design is part of Isabel's daily routine and always leaves her asking questions like 'what if we could...', 'how could we tackle...', 'maybe we should design differently...'. With a background in electro-mechanical engineering and as a biomedical engineering scientist, Isabel is passionate about healthcare technologies, digital health, immersive technologies (VR/AR) and their applications in healthcare, using tech for good, social entrepreneurship, and promoting women in tech.

Isabel is the founder and CEO of Immersive Rehab, a health-tech startup that focuses on the creation and development of interactive environments and games in virtual reality that improve the effectiveness of physical and neuro-rehabilitation. Following a long physical rehab period she went through herself due to a work accident, Isabel decided to start Immersive Rehab in September 2016.

## Editing our evolution: CRISPR/Cas

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Dr Helen O'Neill is a molecular geneticist at University College London (UCL). She did her BSc in Molecular Genetics at University College Cork in Ireland and her MSc in Prenatal Genetics and Fetal Medicine at UCL. Dr O'Neill then did her PhD and postdoctoral research in the Department of Stem Cell Biology and Developmental Genetics in the laboratory of Professor Robin Lovell-Badge at the National Institute for Medical Research (now the Francis Crick Institute). There she researched the genes involved in sex determination, including genes crucial for the formation of ovaries. Helen is currently in the Embryology, IVF, and Reproductive Genetics Group of the Institute for Women's Health at UCL, where she works on the morphokinetics of preimplantation embryos and is using CRISPR genome editing to assess the treatment and understanding of sex chromosome disorders and neuromuscular disorders. Helen is also the programme director for the MSc in Reproductive Science and Women's Health at UCL and lectures both masters and medical students.



Shafi Ahmed

## Connecting a billion minds

Professor Shafi Ahmed is a surgeon, teacher, futurist, innovator, entrepreneur and an evangelist in augmented and virtual reality. He is a cancer surgeon at The Royal London and St Bartholomew's Hospitals and Associate Dean of Bart's Medical School. He has been given the accolade of being the most-watched surgeon in human history.

He was awarded the Silver Scalpel award in 2015 as the best national trainer in surgery and in 2017 became the British Bangladeshi person of the year. He is currently serving as an elected member of council of the Royal College of Surgeons of England where he leads the International surgical training programme.

His mission is to merge the world of medicine, global education, and virtual reality to democratize and scale surgical education to make it affordable and accessible to everyone using the power of connectivity to allow equitable surgical care. He cofounded Medical Realities who have just released the first VR Interactive Surgical Training Module

Shafi made world headline news in 2014 by streaming a live operation using Google Glass to 14,000 students in 132 countries. On April 14th, 2016 he performed the world's first virtual reality operation which was watched by 55,000 people in 140 countries, and reached 4.5 million on Twitter. In December 2016 he used Snapchat spectacles to teach surgery which has been viewed by over 2 million people, had over 100 000 downloads and reached 54 million people on twitter.

He recently disrupting the traditional medical school curriculum by launching the Barts X Medicine Programme which has embedded future technologies and entrepreneurship into the medical school.



Jorge Balça

Anjali Bhat

## Me, my body and everyone else:

## the changing body from within and without

Dr Jorge Balça is an award-winning stage director, performer, teacher, and academic. A classically-trained actor and counter-tenor, he holds a BA in Performing Arts (Drama) and an MA in Theatre Directing (partly taught at GITIS, Moscow), both from Middlesex University. He has recently completed his doctoral research *When a Voice Is Not Enough: The Existentialist Opera Performer as Auteur* at Portsmouth University. His research interests include performer training, creativity, practice-as-research, and the body in performance. His work has been performed internationally and he is the current artistic director of Bloomsbury Opera.

Anjali Bhat is a rockstar neuroscientist who is interested in bridging the gap between molecular biology and abstract concepts in cognitive science. She is currently conducting doctoral research at University College London on how brains and bodies navigate uncertain environments. In another life, she also trained as an actor; and still performs, teaches and directs theatre between experiments.



**Katlego K  
Kolanyane-Kesupile**

**Ayesha Siddique Khan**



## Developing the nerve to possess yourself

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Katlego K Kolanyane-Kesupile (Kat Kai Kol-Kes) is an international award-winning Trans\* ARTivist, writer, theatre producer, educator, performer, and skill donor. A self-defined, relentless Motswana, her work on queerness and queer livelihoods in contemporary African society is strongly rooted in situating herself – and others like her – as citizens and participants in the shaping of the Botswana's future. Her groundbreaking work as a theatre producer includes founding the Queer Shorts Showcase Festival (Botswana), and crafting productions like AfriQueer Now!, Shelf Life Zero, and Keledi. Her debut poetry collection, ...on about the same old things, published by Bahati Books is Botswana's first collection of queer-themed poetry. Katlego is a member of the World Economic Forum's Global Shapers Community, the Mellon Mays Fellows Professionals Network, and was a highly commended runner-up for the 2016 Queen's Young Leaders Awards. She is a 2016/17 Chevening scholar and an alumnus of the Young African Leaders Initiative (YALI) programme. Her goal is to shape a world which nurtures dialogue and where ignorance is a choice, not an inevitable state of being.

## Creating aspiring women: the role of fathers in fighting patriarchy

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Ms. Ayesha Siddique Khan, a lawyer by profession, grew up in rural Pakistan and is currently studying international politics at SOAS, University of London as a Chevening scholar. Ms. Khan will be speaking about the triple life she has lived, as a woman living in a rural village, as a practicing lawyer in Islamabad, and as a student in the West. She will be speaking on how it is possible to live a double or triple life whilst maintaining your distinct identity. She will explain through her personal journey how she overcame the cultural barriers to accomplish her goals, and how many people, particularly women, can relate to her story.

The prime focus of her talk will be her relationship with her father and the role he played in fighting patriarchy in a deeply conservative environment by educating and empowering his daughter. Through this talk, Ms. Khan wants to reach out to all those who out of fear of societal pressure do not send their daughters to school or allow them to work. She also wants to give a message to all women that there is no glass ceiling which they cannot shatter. Ms. Khan will be drawing attention to the fact that patriarchy anywhere threatens human rights everywhere and to the significant role men can play in fighting patriarchy in all its forms and manifestations.



Sophie Deen

## The robot revolution – a survival guide for kids

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A former lawyer, techie and school counselor, Sophie Deen is the founder of Bright Little Labs - a media start-up on a mission to create Sesame Street for the digital age.

Her flagship story, Detective Dot, is about a nine-year-old coder who is an agent for the CIA (Children's Intelligence Agency). The idea is to help teach kids - especially girls and underrepresented groups - to code. The book has reached over 30 countries, is backed by the Cabinet Office, and is launching in 18,000 schools this September with the support of EDF Energy. Bright Little Labs are now creating an interactive world to edu-tain - games, animations and on-demand content.

Sophie previously worked at Code Club, and alongside Google and the Department For Education introduced the first coding curriculum in primary schools. Her awards include the Barclays Startup Founder of the Year 2017, British Interactive Media Association Innovator 2017 and Computer Weekly's 'Rising Star' 2016.

Sophie is extremely passionate about creative education, diverse role models and the power of stories to inspire the next generation.

[ DEMONSTRATORS ]

## Maria Arceo

With a focus on London's River Thames, the project Thames Plastic & the Exploration of Future Dust brings together artist Maria Arceo with King's College London and a wide network of cross-disciplinary partnerships with the mission to creatively inform and scientifically challenge our understanding of the widespread dispersion of plastic debris on both fluvial and marine environments. We are planning a wide range of workshops and artworks in the forthcoming months. More info can be found at <http://www.thamesplastic.com/>.



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## Virtually Mine

Since being founded in 2014, Virtually Mine has grown from an equipment hire company to a virtual reality hub. We offer equipment hire, research, personnel, customised experiences, and 360 degree videos, to name a few. We aim to be the go-to company for all your virtual reality needs. [www.virtuallymine.co.uk](http://www.virtuallymine.co.uk).



[ PERFORMERS ]

## David Soo

David Soo is currently completing an MMus at the Guildhall School of Music with Joan Havill. David has performed throughout Australia, UK, Malaysia, Indonesia, France, and New Zealand. His upcoming recitals in London will also include a performance of Beethoven's Emperor Concerto with the GoodEnsemble.



## The Good Vibes

The Good Vibes – Formed this year through the mutual love of music, the trio consists of this year's Goodenough College members. Their style fuses a blend of pop, jazz, and wacoustic folk music, playing a mix of covers and originals.



The ensemble consists of both music and non-music majors living at Goodenough College. This year's TEDx event marks the premiere performance of the quartet followed by other delightful musical escapades planned for the rest of the Summer Term.

## The Good Quartet



## Bonnie de la Hunty



Bonnie de la Hunty is a classical soprano from Australia, completing her Masters in Classical Voice at the Royal Academy of Music, London. She enjoys singing a range of repertoire within the classical style, specialising in song and Early Music.  
<http://bonniedelahunty.com/>

John-Paul Muir has established himself as one of the finest pianists to emerge from New Zealand in recent years, being versatile in both classical, jazz, and contemporary genres. Since graduating from the Guildhall School of Music & Drama in 2012, he continues to enjoy a varied freelance career based in London.  
<http://johnpaulmuir.com/>

## John-Paul Muir



## Marquez & Zangs

### The Act

In this dance duet we set out to explore how technology can support us in re-imagining the human body as open and unfixed in terms of identity. We are interested in the myriad of possibilities for action (including revolution) that arise from thinking of our bodies in this way.

The work will be a 10-minute dance piece which will include the projection of a short film, which we created in collaboration with filmmaker Marta Di Francesco.

### About Marquez & Zangs

Experts in moving direction and graduates of London's Trinity Laban Conservatoire, Mariana Lucia Marquez and Emma Zangs are the founders of Marquez & Zangs, an agency that creates experimental choreography for live and digital formats. The duo explore the ways that body language and movement can be used to engage with a wider range of scenarios, creating open-ended performances that are not strictly concurrent with traditional dance. Their work and research explores the potential of the body and identity, developing ways that interaction and movement can engage people beyond the click.



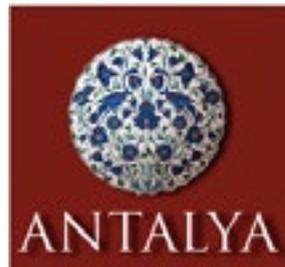
## Partners

### Platinum



### Gold

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### Silver



[ THANK YOU ]



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